

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-006706**Date Inspected:** 12-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Liu Hua Jie**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG components**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector, Dilip Chakrabarti was present during the times noted above for observations relative to the work being performed.

Bay# 6-OBG Assembly

This QA Inspector randomly observed the following work in progress:

Magnetic Particle Testing (MT):

For Green Tag:

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a TL-6028 MT report on this date.

The member and the weld designations are as follows:

Sl # Section # Weld # Green Tag # Location

1. SP 203-012 001,003,005 007800 9 D

2. DP 202-013 02,04,06,08,10 007799 10A

3. BP 204-012 001 007802 9 D

4. BP 205-012 002 007801 9 D

5. SP 201-013 002,004,006,008 007798 10 A

6. CB 202E-008 002,003 NA NA

7. CB 202D-008 002 NA NA

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Bay# 6-Tower Assembly

This QA Inspector randomly observed the following work in progress:

SMAW Process:

Welding of weld joints# B/B-9 located on PCMK ESD1 DPSA4-10. Welder is identified as 037743 & 037779. ZPMC QC is identified as Zhang Bao Bo. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-3312-TC-P5.

Welding of weld joints# B/B-10 located on PCMK ESD1 DPSA4-10. Welder is identified as 066481 & 068088. ZPMC QC is identified as Zhang Bao Bo. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-3312-TC-P5.

Bay # 7-OBG Assembly:

This QA Inspector randomly observed the following work in progress:

FCAW Process:

Welding of weld joints# 3&4 located on PCMK DP 202-014. Welder is identified as 051246. ZPMC QC is identified as Cui Jun Jie. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-2132-3.

Welding of weld joints# 11&12 located on PCMK DP 202-014. Welder is identified as 205774. ZPMC QC is identified as Cui Jun Jie. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-2132-3.

Bay# 5-OBG Assembly

This QA Inspector randomly observed the following work in progress:

Final VT:

This QA inspector performed Final Visual Testing (FVT) of entire welded area of 5 no, miscellaneous items PCMK CTS 1D1, previously tested and accepted by ZPMC Quality Control personnel.

Magnetic Particle Testing (MT):

For Green Tag:

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a TL-6028 MT report on this date.

The member and the weld designations are as follows:

Sl # Section # Weld # Green Tag # Location

1. FB 204-004 038R1
2. 21 TR2-001 002,004 007220 CB 1
3. 21 TR2-002 002,004 007219 CB1
4. 21 TR3-003 002,004 007222 CB2
5. 21 TR3-004 002,004 007221 CB2
6. 22 TR3-002 001,003 007215 CB2

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7. 22 TR1-001 001,003 007216 CB1

8. 22 TR2-001 001,003 007218 CB1

9. 22 TR2-002 001,003 007217 CB1

Unless otherwise noted, all work observed on this date appeared to be generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Chakrabarti,Dilip Kumar	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer
